(54) Title: VESSEL SEGMENTATION USING VESSELNESS AND EDGENESS
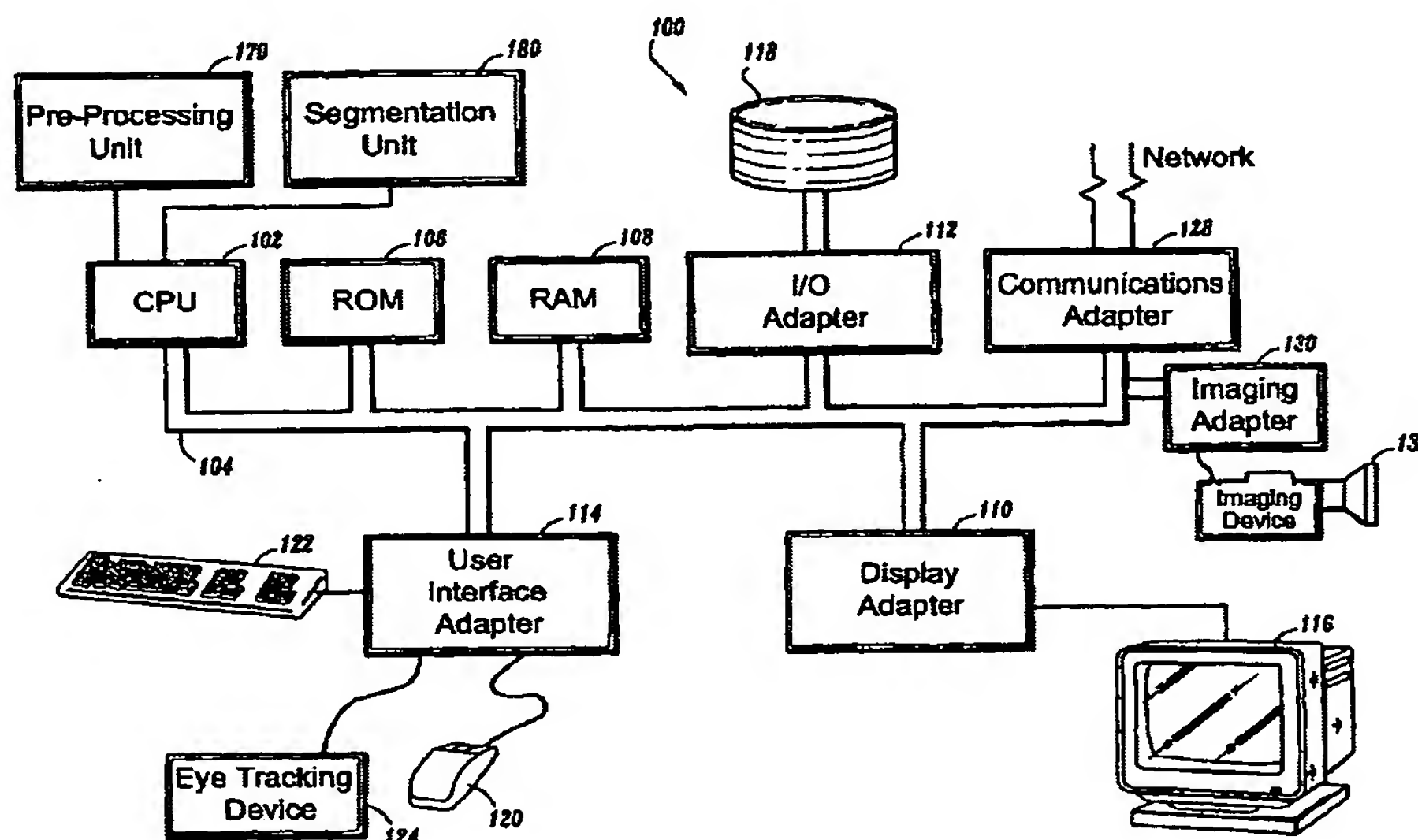
(57) Abstract: A system (100) and corresponding method for vessel segmentation are provided, the system having an adapter (112, 128, 130) for receiving image data, a processor (102) in signal communication with the input adapter, a pre-processing unit (170) in signal communication with the processor for pre-processing the received image data, and a vessel segmentation unit (180) in signal communication with the processor for segmenting vessels using pre-processed data; and the corresponding method including receiving image data, pre-processing the received data, and segmenting vessels responsive to the pre-processed data.